

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier version and listings.

Claims 1-23 (canceled)

Sub K.1
J1
Claim 24 (currently amended): An image processing device comprising:

a scanner for reading an image of a document and outputting an image signal;

a control unit, including a control circuit, adapted for controlling said image processing device and performing image processing ~~necessary for copying~~ on the image signal output from said scanner, to provide a first processed image signal, the image processing being processing that is necessary for copying;

a first bidirectional general-purpose interface for transmitting, under control of said control unit, the image signal output by said scanner ~~under control of said control unit~~ to an external computer, which performs image processing ~~necessary for copying~~ on the transmitted image signal to provide a second processed image signal, and for receiving the second processed image signal from the external computer, the image processing performed by the external computer being processing that is necessary for copying; and

a second bidirectional general-purpose interface, of a same standard as said first bidirectional general-purpose interface, adapted for outputting the first processed image signal and the second processed image signal to a printer,

wherein said image processing device has a plurality of modes including a read mode, a print mode, a first copying mode, performed in response to a copying designation by a user, and a second copying mode, performed in response to a copying designation by a user, in which the image signal output from said scanner is outputted to the printer without being processed by the external computer,

51 wherein, in the first copying mode, the image signal from said scanner ~~being~~ is transmitted in order of: said control unit, said first bidirectional general-purpose interface, the external computer, said first bidirectional general-purpose interface, said control unit, and said second bidirectional general-purpose interface, so as to perform copying based on the second processed image signal, and

wherein, in the second copying mode, the image signal from said scanner ~~being~~ is transmitted in order of: said control unit and said second bidirectional general-purpose interface, so as to perform copying based on the first processed image signal.

Claims 25 and 26 (canceled)

Sub K. } Claim 27 (currently amended): An image processing method for an image processing device capable of operating in a plurality of modes including a read mode, a print mode, a first copying mode, and a second copying mode, said method comprising the steps of:

[[a]] in [[said]] the first copying mode, performed in response to a copying designation by a user:

reading an image of a document and outputting an image signal
by means of a scanner;

transmitting the image signal output by the scanner to an
external computer, via a first bidirectional general-purpose interface, wherein the external
computer performs image processing ~~necessary for copying~~ on the transmitted image signal to
provide a second processed image signal, the image processing being processing that is necessary
for copying;

51 receiving the second processed image signal from the external
computer via the first bidirectional general-purpose interface; and

outputting the second processed image signal to a printer via a
second bidirectional general-purpose interface of a same standard as the first bidirectional
general-purpose interface, and

[[b)]] in said second copying mode, performed in response to a copying
designation by a user:

reading an image of a document and outputting an image signal by the
scanner;

performing, in a control unit for controlling the image processing
device, image processing ~~necessary for copying~~ on the image signal output by the scanner, ~~in a~~
~~control unit for controlling the image processing device~~ to provide a first processed image signal,
performed by the control unit the image processing being processing that is necessary for
copying; and

outputting the first processed image signal to the printer via the second
bidirectional general-purpose interface,

wherein each of ~~[[said]]~~ the first and second copying modes is
performed in response to a designation of corresponding one of ~~[[said]]~~ the first and second
copying modes.

Claim 28 (canceled)

J 1
5.5 K. >
Claim 29 (previously presented): The method according to claim 27, wherein
the transmitted image signal is processed by the external computer and transmitted to a public
telephone line.

Claims 30-57 (canceled)

5.5 K. >
Claim 58 (previously presented): The image processing device according to
claim 24, wherein said scanner generates a color image signal.

Claim 59 (previously presented): The image processing device according to
claim 24, wherein said control unit has a density adjusting function.

Claims 60 and 61 (canceled)

Sub K.1)
Claim 62 (currently amended): An image processing method [[by]] using an image processing device capable of operating in a plurality of modes including a read mode, a print mode, a first copying mode in response to a copying designation by a user, and a second copying mode in response to a copying designation by a user, said method comprising the steps of:

reading an image of a document and outputting an image signal by means of a scanner;

J 1
in the first copying mode, transmitting the image signal output by [[a]] the scanner to an external computer₁ via a first bidirectional general-purpose interface, performing image processing ~~necessary for copying~~ on the transmitted image signal in the external computer to provide a first processed image signal, transmitting the first processed image signal to the image processing device₁ via the first bidirectional general-purpose interface, and outputting the first processed image signal to a printer via a second bidirectional general-purpose interface of a same standard as the first bidirectional general-purpose interface, the image processing being processing that is necessary for copying; and

in the second copying mode, performing image processing ~~necessary for copying~~ on the image signal output by the scanner₁ in a control unit for controlling the image processing device₁ to provide a second processed image signal and outputting the second processed image signal to the printer via the second bidirectional general-purpose interface, performed by the control unit the image processing being processing that is necessary for copying.

Claim 63 (new): An image processing system comprising:

an information processing apparatus comprising:

a read designation unit, adapted to designate a start for reading
of a document;

a print designation unit, adapted to designate a start for printing
data that said information processing apparatus transmits;

a copying designation unit, adapted to designate a start for
copying; and

a processing unit, adapted to process an image signal; and

an image processing apparatus comprising:

a scanner for reading an image of a document and outputting an
image signal;

a control unit, including a control circuit, adapted for
controlling said image processing apparatus and performing image processing on the image
signal output from said scanner, to provide a first processed image signal, the image processing
being processing that is necessary for copying;

a first bidirectional general-purpose interface for transmitting,
under control of said control unit, the image signal output by said scanner to said information
processing apparatus, which performs image processing on the transmitted image signal to
provide a second processed image signal, and for receiving the second processed image signal
from said information processing apparatus, performed by said image processing apparatus the
image processing being processing that is necessary for copying;

51 a second bidirectional general-purpose interface, of a same standard as said first bidirectional general-purpose interface, adapted for outputting the first processed image signal and the second processed image signal to a printer; and

a copy key for designating a start for copying,

wherein said image processing apparatus has a plurality of modes including a read mode performed in response to a read designation by said information processing apparatus, a print mode performed in response to a print designation by said information processing apparatus, a first copying mode performed in response to a copying designation by said information processing apparatus, and a second copying mode performed in response to an operation of said copy key by a user, in which the image signal, output from said scanner, is outputted to the printer without being processed by the information processing apparatus,

Concl wherein, in the first copying mode, the image signal from said scanner is transmitted in order of: said control unit, said first bidirectional general-purpose interface, said information processing apparatus, said first bidirectional general-purpose interface, said control unit, and said second bidirectional general-purpose interface so as to perform copying based on the second processed image signal, and

wherein, in the second copying mode, the image signal from said scanner is transmitted in order of: said control unit and said second bidirectional general-purpose interface so as to perform copying based on the first processed image signal.